METEOROLOGICAL JOURNAL

KEPT AT THE HOUSE OF

THE ROYAL SOCIETY

BY ORDER OF THE

PRESIDENT AND COUNCIL.

METEOROLOGICAL JOURNAL

for January 1780.

	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points.	Str.	
Jan. 1	8 0	27,0	33,0	30,24		NE	1	Foggy and frosty.
	2 0	31,0	34,0	30,17		SE	1	Foggy.
2	8 0	32,0	33,0	30,35		SE	1	Foggy.
	2 0	36,0	35,0	30,16		SE	1	Foggy.
3	8 0	41,0	37,0	30 09		SE	1	Foggy.
	2 0	43,5	38,5	30,08		SE	1	Foggy and cloudy.
4	8 0	35,0	38,0	30,26		N by W	1	Fair.
	2 0	39,0	39,5	30,34		NE	1	Fine.
5	8 0	31,0	36,0	30,30		WNW	1	Fair.
	2 0	36,0	37,5	30,28		NW	1	Fine.
6	8 0	33,5	35,0	30,00		W	1	Cloudy.
	2 0	37,5	36,5	29,98		SW	1	Foggy and rain.
7	8 0	36,0	36,5	30,14		ENE	1	Cloudy.
	2 0	36,5	38,5	30,20		NE	1	Fine.
8	8 0	26,0	33,0	30,15		NE	1	Fair and frosty.
	2 0	30,5	35,5	30,04		NE	1	Frosty.
9	8 0	22,5	30,0	29,95		NE	1	Frosty.
	2 0	29,5	31,0	29,88		E	1	Fine.
10	8 0	29,0	30,0	29,67		N by E	1	Cloudy.
	2 0	33,0	31,5	29,59		NE	1	Cloudy and snow.
11	8 0	25,0	29,5	29,58		SW	1	Cloudy.
	2 0	32,0	31,5	29,65		NNW	1	Foggy and snow.
12	8 0	24,5	29,5	29,61		NW	1	Fair and frosty.
	2 0	29,0	30,0	29,67		NW	1	Fine.
13	8 0	20,0	27,0	29,94		N by E	1	Fair and frosty.
	2 0	27,0	28,0	29,89		NE	1	Fair and frosty.
14	8 0	20,0	25,0	29,81		NE	1	Fair and frosty.
	2 0	30,0	28,0	29,89		NE	1	Fine.
15	8 0	21,5	24,5	29,45		NE	1	Fair and frosty.
	2 0	33,0	27,5	29,27		NE	1	Foggy.
16	8 0	40,0	32,0	28,70	0,185	SW	2	air.
	2 0	47,0	36,5	28,59		SW	2	Rainy.

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	Time. H.	Time. M.	Therm. without	Therm. within.	Barom.	Rain.	Winds. Points.	Winds. Str.	Weather.
					Inches.	Inch.			
Jan. 17	8	0	40,0	37,0	28,73	0,035	SW	1	Cloudy.
	2	0	46,0	40,5	28,74		W by N	1	Fine.
18	8	0	36,5	38,0	28,92	0,042	NE	1	Cloudy.
	2	0	41,0	39,5	28,97		SW	1	Cloudy.
19	8	0	37,0	39,0	29,14	0,214	NE	1	Cloudy.
	2	0	40,0	37,5	29,28		NE	1	Cloudy.
20	8	0	34,0	38,0	29,37	0,150	N by E	1	Rain.
	2	0	35,5	39,0	29,43		NE	2	Rainy.
21	8	0	33,0	37,0	29,77	0,066	N by E	2	Fair.
	2	0	36,5	38,5	29,86		N by E	2	Fine.
22	8	0	25,0	33,0	30,00		N by W	1	Fair and frosty.
	2	0	32,0	35,0	30,00		N by E	1	Fine.
23	8	0	24,0	31,0	30,00		NE	1	Fair and frosty.
	2	0	28,0	32,5	30,05		NE	1	Foggy.
24	8	0	26,5	31,0	30,01		NW	1	Fair and frosty.
	2	0	34,0	32,5	29,99		NE	1	Fine.
25	8	0	29,0	30,0	30,12		N by E	1	Fair and frosty.
	2	0	35,5	33,5	30,06		N by E	1	Snow.
26	8	0	31,0	31,0	29,95		N by E	2	Cloudy.
	2	0	34,5	32,5	29,95		N by E	1	Cloudy and snow.
27	8	0	28,0	32,0	29,90		N	1	Cloudy with snow.
	2	0	31,0	32,5	29,92		N	1	Cloudy and snow.
28	8	0	30,0	32,5	29,92		E by N	1	Cloudy.
	2	0	32,5	34,0	29,90		E by N	1	Cloudy.
29	8	0	31,5	32,0	29,80		ENE	1	Cloudy.
	2	0	35,0	34,5	29,74		ENE	1	Cloudy.
30	8	0	29,0	31,0	29,66		NE	2	Cloudy.
	2	0	30,0	32,0	29,66		NE	2	Cloudy.
31	8	0	30,5	31,0	29,74		E by S	2	Cloudy.
	2	0	34,0	33,0	29,71		ENE	2	Cloudy.

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	Time.		Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches.	Inch.	Points.	Str.	
Feb. 1	8	0	30,5	32,0	29,65		NE	2	Cloudy.
	2	0	32,0	33,0	29,62		NE	1	Cloudy.
2	8	0	28,5	31,0	29,48		N by E	1	Fair.
	2	0	33,5	34,5	29,47		NE	1	Fair.
3	8	0	31,5	32,5	29,57		NW	1	Fair.
	2	0	36,5	34,5	29,69		NW	1	Cloudy.
4	8	0	29,0	33,0	29,74		SW	1	Fair.
	2	0	38,5	35,5	29,68		S by W	1	Fine.
5	8	0	30,5	33,0	29,43		NE	1	Fine.
	2	0	35,0	35,0	29,41		SE	1	Fine.
6	8	0	33,0	34,0	29,08	0,210	NE	1	Rainy.
	2	0	36,5	35,0	29,11		WSW	1	Rainy and foggy.
7	8	0	34,0	36,0	29,48	0,034	NW	1	Fair.
	2	0	38,5	38,0	29,68		NW	1	Fine.
8	8	0	32,5	36,0	29,89	0,022	SE	1	Fair.
	2	0	41,0	48,0	29,92		SE	1	Fine.
9	8	0	43,0	39,0	30,00	0,270	S by W	1	Cloudy.
	2	0	50,5	42,0	30,08		S by E	1	Cloudy.
10	8	0	45,5	44,5	30,22	0,015	SW	1	Cloudy.
	2	0	51,5	46,5	30,24		SW	1	Cloudy.
11	8	0	40,0	45,5	30,41		NE	1	Cloudy.
	2	0	44,0	45,5	30,45		ENE	1	Fine.
12	8	0	36,5	42,0	30,47		NE	1	Cloudy.
	2	0	41,0	43,0	30,47		ENE	1	Cloudy.
13	8	0	37,0	40,5	30,48		NE	1	Fair.
	2	0	41,5	42,0	30,52		NE	1	Fair.
14	8	0	34,0	39,5	30,50		N by W	1	Cloudy.
	2	0	43,0	41,5	30,46		N by W	1	Cloudy.
15	8	0	35,5	39,5	30,40		N by W	1	Fair.
	2	0	40,0	40,0	30,39		N by W	1	Cloudy.
16	8	0	37,0	39,0	30,08		NW	1	Fair.
	2	0	45,0	42,0	30,00		NW	1	Fair.

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	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points.	Str.	
Feb. 17	8 0	32,0	38,0	30,19		S by E	1	Foggy.
	2 0	38,5	39,0	30,25		SE	1	Foggy and cloudy.
18	8 0	35,0	38,5	30,06		SW	1	Cloudy.
	2 0	41,0	41,0	29,92		SW	1	Cloudy.
19	8 0	36,0	40,5	30,41	0,030	NE	1	Fine.
	2 0	43,0	42,0	29,49		W	1	Fair.
20	8 0	27,5	37,0	29,56		NW	1	Fine.
	2 0	34,0	37,0	29,57		NNW	1	Snow.
21	8 0	27,5	33,0	29,72		NW	2	Fair.
	2 0	36,0	35,5	29,78		NW	2	Fine.
22	8 0	28,0	32,5	29,86		NW	2	Fine.
	2 0	30,0	37,5	29,94		NW	1	Fine.
23	8 0	28,0	32,5	30,18		NNW	1	Fine.
	2 0	38,0	35,0	30,24		NW	1	Fine.
24	8 0	34,0	34,0	30,23		SSW	1	Cloudy.
	2 0	41,0	36,0	30,27		SW	1	Rainy.
25	8 0	41,0	38,5	30,06	0,015	SW	2	Cloudy.
	2 0	47,0	49,0	29,88		SW	2	Cloudy.
26	8 0	26,5	35,0	29,83	0,128	NW	3	Fine.
	2 0	32,5	35,5	30,08		NE	3	Fine.
27	8 0	34,0	34,5	29,99		SW	2	Snowy.
	2 0	42,0	36,5	29,82		SSW	1	Cloudy.
28	8 0	42,0	40,0	29,92	0,034	WSW	1	Cloudy.
	2 0	53,5	44,5	29,95		WSW	2	Fine.
29	8 0	46,0	46,0	29,91		W by S	1	Fair.
	2 0	50,0	41,0	30,03		SW	1	Fine.

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	Time. H.	Time. M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Winds. Str.	Weather.
Mar. 1	7	0	34,5	43,0	30,10		W by S	1	Fair.
	2	0	47,0	46,0	30,09		SW	1	Fine.
2	7	0	45,0	45,5	29,78		SW	1	Cloudy.
	2	0	50,0	41,0	29,59		SE	1	Cloudy.
3	7	0	39,0	45,0	29,74		WNW	1	Cloudy.
	2	0	48,5	48,5	29,65		NW	1	Fine.
4	7	0	37,5	43,0	29,91		SW	1	Fair.
	2	0	50,5	46,0	30,05		W by N	1	Fine.
5	7	0	47,0	45,0	30,17	0,071	WSW	2	Fair.
	2	0	55,0	48,5	30,25		WSW	1	Cloudy.
6	7	0	45,0	47,5	30,37		SW	1	Fine.
	2	0	56,0	52,0	30,42		SW	2	Fine.
7	7	0	47,5	51,0	30,36		SW	1	Fair.
	2	0	57,0	53,0	30,39		SW	2	Fine.
8	7	0	48,0	51,0	30,37		SW	1	Cloudy.
	2	0	54,0	55,5	30,35		SW	1	Fair.
9	7	0	44,5	50,0	30,13		SSW	1	Cloudy.
	2	0	50,0	51,5	30,01		SW	1	Fine.
10	7	0	37,0	46,0	30,34		W by S	1	Fair.
	2	0	50,0	48,5	30,45		SW	1	Fine.
11	7	0	35,0	43,0	30,39		SE	1	Fair.
	2	0	50,0	47,0	30,25		SW	1	Fine.
12	7	0	44,0	45,0	29,78		S by W	1	Cloudy.
	2	0	52,0	48,5	29,79		SSW	1	Rainy.
13	7	0	35,0	44,0	30,16	0,072	SW	1	Fine.
	2	0	51,0	47,5	30,15		SW	1	Fine.
14	7	0	44,0	47,0	29,93		SSW	1	Fine.
	2	0	54,5	48,5	29,82		SW	2	Fine.
15	7	0	45,0	49,0	29,52	0,046	W by N	2	Rainy.
	2	0	48,5	50,0	29,58		WNW	2	Fine.
16	7	0	42,0	46,0	29,38	0,227	NW	1	Fine.
	2	0	51,0	50,0	29,67		NW	1	Fine.

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	Time.		Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches.	Inch.	Points.	Str.	
Mar. 17	7	0	38,0	36,0	29,99		NW	1	Fine.
	2	0	49,5	56,0	29,42		NW	1	Fine.
18	7	0	50,0	51,0	29,67		NW	2	Cloudy.
	2	0	48,0	51,0	29,43		NW	2	Rainy.
19	7	0	40,0	58,0	29,35	0,360	NW	1	Fine.
	2	0	54,0	50,5	29,47		NW	1	Fine.
20	7	0	47,0	49,5	29,46	0,160	NE	1	Cloudy and rain.
	2	0	59,0	54,0	29,95		NW	1	Cloudy.
21	7	0	50,0	51,0	29,82		NW	1	Cloudy.
	2	0	58,0	54,0	29,78		NW	1	Cloudy.
22	7	0	44,0	50,0	29,83		NW	1	Cloudy.
	2	0	52,0	51,5	29,92		SW	2	Fine.
23	7	0	37,0	45,0	30,28		NW	1	Fine.
	2	0	56,0	46,0	30,27		SW	1	Fine.
24	7	0	35,5	43,5	30,11		E by S	1	Fair.
	2	0	51,5	46,5	30,00		E by N	1	Fine.
25	7	0	43,0	45,5	29,82	0,112	SSE	1	Fine.
	2	0	56,0	49,0	29,97		SE	1	Fine.
26	7	0	46,0	47,0	29,94		S by E	1	Fair.
	2	0	51,5	56,5	29,94		SSE	1	Fair.
27	7	0	52,5	51,5	29,90		SSE	1	Fair.
	2	0	62,5	55,0	29,85		SW	1	Fine.
28	7	0	51,0	54,0	29,62		E by N	1	Fair.
	2	0	56,0	56,5	29,61		SW	1	Rainy.
29	7	0	47,0	51,5	29,84	0,077	S by W	2	Fair.
	2	0	55,0	54,5	29,82		S by W	2	Fair.
30	7	0	51,5	53,5	29,71		SSW	1	Fair.
	2	0	55,0	55,5	29,69		SW	1	Showery with ſun-ſhine.
31	7	0	45,0	52,0	29,63	0,054	SSW	1	Fine.
	2	0	50,0	53,5	29,63		SW	1	Rainy.

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	Time.		Therm. without	Therm. within.	Barom	Rain.	Winds.		Weather.
	H.	M.			Inches	Inch.	Points.	Str.	
Apr. 1	7	0	40,0	48,5	29,88	0,324	N by E	1	Fair.
	2	0	49,0	50,0	29,87		SSE	1	Fine.
2	7	0	44,0	46,0	29,51	0,014	SE	1	Cloudy.
	2	0	49,0	49,5	29,21		SSE	1	Rainy.
3	7	0	41,5	46,5	28,81	0,333	WSW	1	Cloudy.
	2	0	44,0	47,0	28,88		NNW	1	Rainy.
4	7	0	34,0	42,0	29,36	0,010	NNW	1	Fine.
	2	0	44,5	43,5	29,45		NW	2	Fine.
5	7	0	35,5	40,5	29,48	0,016	SW	1	Fine.
	2	0	35,5	41,0	29,50		NNW	1	Snow.
6	7	0	34,0	39,0	29,68	0,177	N by W	1	Fine.
	2	0	45,0	43,0	29,83		NW	1	Fine.
7	7	0	33,0	38,0	29,81	0,010	NE	1	Fair.
	2	0	46,5	42,0	29,72		SE	1	Fine.
8	7	0	34,0	39,0	29,71		NNE	1	Fine.
	2	0	46,5	42,5	29,80		N by W	1	Fair.
9	7	0	40,0	39,0	30,08	0,020	NNE	2	Fine.
	2	0	47,5	41,5	30,12		ENE	1	Fine.
10	7	0	33,5	38,0	30,17		SE	1	Fair.
	2	0	47,0	41,5	30,10		E by N	1	Fair.
11	7	0	41,0	41,0	29,77	0,050	S by E	1	Rainy.
	2	0	46,0	49,0	29,79		SE	1	Rainy.
12	7	0	42,0	43,5	29,50	0,156	NW	1	Fine.
	2	0	51,0	47,0	29,46		W by N	1	Cloudy.
13	7	0	38,0	43,0	29,57	0,250	NNE	2	Fine.
	2	0	37,0	44,5	29,69		NNE	2	Rain.
14	7	0	41,0	42,0	29,72	0,038	NW	2	Fair.
	2	0	46,5	44,5	29,75		NW	2	Fair.
15	7	0	43,5	43,5	29,75		WSW	1	Cloudy.
	2	0	51,5	46,0	29,74		W by N	1	Cloudy.
16	7	0	47,0	45,0	29,62	0,035	NW	2	Fine.
	2	0	55,0	49,0	29,67		WNW	2	Fine.

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	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.		Points.	Str.	
Apr. 17	7 0	43,0	46,5	29,38	0,080	WNW	3	Fine.
	2 0	49,0	50,0	29,37		WNW	3	Fine.
18	7 0	41,5	46,5	29,50	0,056	SW	2	Cloudy.
	2 0	48,5	47,5	29,46		WSW	2	Showery.
19	7 0	43,0	44,0	29,72	0,050	N by E	2	Fine.
	2 0	53,0	48,0	29,76		N by E	2	Fair.
20	7 0	42,0	44,5	29,94	0,030	NW	1	Fine.
	2 0	52,0	48,0	30,01		NW	1	Fair.
21	7 0	47,5	48 0	29,91		SSE	1	Fair.
	2 0	52,0	50,0	29,83		SSW	2	Showery.
22	7 0	47,0	50,0	29,70	0,109	SW	1	Cloudy.
	2 0	58,0	53 5	29,71		SW	1	Fine.
23	7 0	47,5	50,0	29,52	0,031	S by W	1	Fine.
	2 0	56,5	54,0	29,47		SSW	2	Showery.
24	7 0	46,5	51,0	29,46	0,047	WSW	2	Fine.
	2 0	54,0	53,5	29,43		SSE	2	Showery.
25	7 0	45,0	50,5	29,51	0,053	S by E	1	Fine.
	2 0	56,5	54,0	29,46		SSW	1	Fine.
26	7 0	45,0	49,0	29,46	0,391	NW	2	Fine.
	2 0	58,0	53,5	29,74		NW	2	Fine.
27	7 0	50,0	50,5	29,50	0,210	SSW	1	Rainy.
	2 0	56,0	54,0	29,44		SSW	1	Rainy.
28	7 0	54,5	55,0	29,83	0,183	SW	1	Cloudy.
	2 0	60,5	59,5	29,85		SW	1	Rainy.
29	7 0	53,0	56,0	29,66	0,066	SW	1	Cloudy.
	2 0	65,5	60,5	29,66		SW	1	Fine.
30	7 0	55,0	58,0	29,71		SSW	1	Cloudy.
	2 0	61,0	65,0	29,73		S by W	1	Fine.

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	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points.	Str.	
May 1	7 0	53,0	58,0	29,76	0,067	SSW	1	Cloudy.
	2 0	65,0	62,0	29,79		SW	1	Fine.
2	7 0	52,0	56,0	29,85	0,243	N by W	1	Cloudy.
	2 0	59,5	59,0	30 04		NW	1	Fine.
3	7 0	45 5	51,0	30,26		E by S	1	Cloudy.
	2 0	57,0	55,0	30,26		SE	1	Fine.
4	7 0	48,0	52,5	30,18		WSW	1	Cloudy.
	2 0	64,0	56,5	30,16		SW	1	Fine.
5	7 0	53,0	55,0	29,92		SW	1	Cloudy.
	2 0	59,5	58,0	29,88		SW	1	Cloudy.
6	7 0	52,5	55,0	29,88		WSW	2	Fine.
	2 0	60,0	58,5	29,90		W by N	2	Cloudy.
7	7 0	53,0	55,0	29,94		W by S	1	Cloudy.
	2 0	63,5	59,5	29,94		SW	1	Fair.
8	7 0	52,0	57,0	29,72	0,032	SW	1	Rainy.
	2 0	55,0	57,5	29,58		S by W	2	Rainy.
9	7 0	54 0	55,0	29,67	0,091	SW	1	Fine.
	2 0	57,0	58,5	29,64		SW	2	Rainy.
10	7 0	53,0	54,5	29,38	0,200	SW	2	Fine.
	2 0	59,0	58,5	29,51		SW	2	Cloudy.
11	7 0	53 0	57,5	29,72		SW	2	Fine.
	2 0	58,0	59,0	29,88		SW	2	Rainy.
12	7 0	50,0	57,0	29,98		SSW	1	Fine.
	2 0	64,0	60,0	29,98		SW	1	Fine.
13	7 0	53,0	55,0	29,75	0,104	SW	1	Fair.
	2 0	63,0	60,5	29,73		SW	2	Fine.
14	7 0	51,5	57,0	29,78		W by S	1	Fine.
	2 0	57,0	58,5	29,71		SSW	1	Fine.
15	7 0	50,0	55,0	29,82	0,015	NW	2	Fine.
	2 0	33,0	68,5	29,94		NW	1	Fine.
16	7 0	54,5	56,5	30,12		NW	1	Fine.
	2 0	66,0	61,0	30,18		SW	1	Fine.

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for May 1780.

	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points	Str.	
May 17	7 0	58,5	61,0	30,14		SW	1	Fair.
	2 0	68,0	63,5	30,15		SW	1	Fine.
18	7 0	54,5	60,0	30,15		NW	1	Fine.
	2 0	67,0	62,5	30,17		NW	1	Fine.
19	7 0	57,5	61,5	29,92		SW	1	Cloudy.
	2 0	66,0	62,0	29,90		SW	1	Fair.
20	7 0	46,5	61,0	30,25		NW	1	Fair.
	2 9	61,0	58,5	30,26		NW	1	Fine.
21	7 0	57,0	53,5	29,49		SE	1	Fair.
	2 0	67,0	61,0	30,01		SW	1	Fine.
22	7 0	56,0	58,0	29,61	0,027	SSW	1	Rainy.
	2 0	65,0	61,0	29,60		SW	1	Fair.
23	7 0	55,5	58,5	29,67		SW	2	Cloudy.
	2 0	63 0	65,0	29,72		SW	2	Fine.
24	7 0	53,0	58,5	29,73	0,011	NW	1	Fair.
	2 0	63 5	60,5	30,23		SE	1	Fair.
25	7 0	57,0	59,5	30,21		SW	1	Cloudy.
	2 0	66,5	61,5	30,12		SW	1	Fine.
26	7 0	58,0	61,5	30,14	0,018	SW	1	Rainy.
	2 0	70,0	65,0	30,14		SW	1	Fine.
27	7 0	60,5	64,0	30,28		SW	1	Fine.
	2 0	73,5	70,0	30,22		SW	1	Fine.
28	7 0	68,0	66,5	30,17		SSW	1	Fine.
	2 0	78,5	72.5	30,18		SW	1	Fine.
29	7 0	68,0	71,0	30,06		SE	1	Fine.
	2 0	84,5	74,5	30,00		SSW	1	Fine.
30	7 0	65,0	67,0	29,98		SW	1	Fair.
	2 0	71,5	71,0	30,01		NW	2	Fine.
31	7 0	56,0	59,0	30,06	0,024	NE	1	Fair.
	2 0	66 0	66,0	30,14		NE	1	Fine.

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for June 1780.

	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points.	Str.	
June 1	7 0	60,0	61,0	30,05		E by N	1	Fine.
	2 0	70,5	65,0	29,98		ENE	2	Fine.
2	7 0	66,5	67,0	29,93		SW	1	Fine.
	2 0	85,0	73,5	29,93		SW	1	Fine.
3	7 0	65,0	68,0	29,88		NE	1	Cloudy.
	2 0	71,0	72,0	29,95		NE	1	Fine.
4	7 0	59,0	66,0	30,07		NE	1	Fine.
	2 0	64,0	66,0	30,07		NE	1	Fair.
5	7 0	48,5	57,0	29,99	0,023	NE	1	Cloudy.
	2 0	55,5	59,0	29,99		NW	2	Cloudy.
6	7 0	49,0	55,0	29,99	0,010	NE	2	Cloudy.
	2 0	61,0	58,0	29,99		NE	2	Cloudy.
7	7 0	52,0	53,0	30,01		NE	1	Fair.
	2 0	60,0	58,0	30,02		NE	1	Fair.
8	7 0	48,0	50,0	29,99		NW	1	Fine.
	2 0	59,0	57,0	30,09		NW	1	Fine.
9	7 0	60,0	56,5	29,94		NW	1	Fine.
	2 0	62,5	60,0	29,94		NW	1	Cloudy.
10	7 0	61,0	59,0	29,80	0,018	SW	1	Fine.
	2 0	66,0	63,0	29,83		SW	1	Fair.
11	7 0	62,0	62,5	29,94		NW	1	Fine.
	2 0	70,0	65,0	29,90		W by N	1	Fine.
12	7 0	59,0	63,5	30,04		ENE	1	Cloudy.
	2 0	65,0	65,0	30,09		NE	1	Cloudy.
13	7 0	59,0	62,0	30,03		SW	1	Fine.
	2 0	72,0	69,5	29,98		SW	1	Fine.
14	7 0	55,5	61,5	29,81		SW	2	Fine.
	2 0	66,0	64,0	29,83		SW	2	Fine.
15	7 0	55,5	60,5	29,85	0,017	NW	1	Fine.
	2 0	63,0	64,0	29,92		NW	2	Cloudy.
16	7 0	56,0	59,0	30,01	0,020	WSW	1	Fair.
	2 0	63,0	62,0	30,04		SW	1	Fair.

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for June 1780.

	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points.	Str	
June 17	7 0	58,5	60,5	29,91	0,030	SW	1	Fair.
	2 0	67,0	63,0	29,91		SW	1	Fair.
18	7 0	56,5	58,5	29,81	0,240	SW	1	Rainy.
	2 0	65,5	64,0	29,81		SW	1	Rainy.
19	7 0	60,0	62,5	29,79	0,152	SSW	1	Cloudy.
	2 0	72,0	67,0	29,79		SW	1	Fair.
20	7 0	60,0	61,0	29,95		W by S	1	Fine.
	2 0	66,0	69,0	29,99		SW	1	Fine.
21	7 0	57,5	62,0	30,07	0,022	W by N	1	Fine.
	2 0	68,0	64,5	30,11		SW	1	Fine.
22	7 0	58,5	62,5	30.11		SSW	1	Cloudy.
	2 0	61,0	64,0	30,07		SW	1	Rainy.
23	7 0	56,0	61,0	30,04	0,320	NW	1	Fine.
	2 0	70,0	66,0	30,18		SW	1	Fine.
24	7 0	60,0	63,5	30,10		SSW	1	Fair.
	2 0	67,5	66,5	30,07		SW	1	Fair.
25	7 0	58,0	65,0	30,08		W by S	2	Fair.
	2 0	67,0	65,0	30,12		NW	2	Fine.
26	7 0	57,5	62,0	30,24		NW	2	Fine.
	2 0	66,0	65,0	30,31		SW	1	Fine.
27	7 0	56,0	62,0	30,37		NW	1	Fine.
	2 0	69,0	64,5	30,37		SW	1	Fine.
28	7 0	62,0	64,0	30,32		NW	1	Fair.
	2 0	74,0	68,0	30,28		NNW	1	Fine.
29	7 0	66,0	67,5	30,25		SE	1	Fine.
	2 0	78,0	70,0	30,19		E	1	Fine.
30	7 0	67,0	66,0	29,99		SE	1	Fine.
	2 0	84,5	76,0	29,94		ESE	1	Fine.

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for July 1780.

	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points.	Str.	
July 1	7 0	64,5	70,0	29,96		SW	1	Fair.
	2 0	73,0	72,5	29,95		S by E	1	Fair.
2	7 0	63,0	68 0	29 89	0,143	SW	1	Rainy.
	2 0	73 0	72 0	29,99		SW	1	Fine.
3	7 0	61,5	68,5	29,99		SW	1	Fine.
	2 0	69,0	70,0	30,05		SW	1	Cloudy.
4	7 0	60,0	66,5	30.02		SW	1	Fair.
	2 0	70,5	68,5	30 05		NW	1	Fine.
5	7 0	61,0	67 0	30,18		SW	1	Fine.
	2 0	69,0	66 0	30 09		SW	1	Fine.
6	7 0	61,5	64,0	30 09		NW	1	Fine.
	2 0	71,0	69,0	30,08		NW	1	Fine.
7	7 0	58,5	61,0	30,06		NW	1	Fine.
	2 0	65,0	64,5	30,04		NW	1	Fine.
8	7 0	60,5	62 5	29,97		W by N	1	Fine.
	2 0	68,5	65,5	29 99		NW	1	Fine.
9	7 0	61,0	62,0	30,06		NE	1	Fair.
	2 0	68,0	66,0	30,08		WNW	1	Fine.
10	7 0	57,0	64,0	30,14	0,017	NE	1	Fine.
	2 0	67,0	66,5	30,19		NNE	1	Fine.
11	7 0	54,0	62,0	30,17		N by E	1	Fair.
	2 0	70,5	68 5	30,14		NW	1	Fine.
12	7 0	61,0	65,0	29 97		WSW	1	Cloudy.
	2 0	74,0	70,0	29,94		NNW	1	Cloudy.
13	7 0	60,0	65,5	29 98	0,116	NNW	1	Cloudy.
	2 0	68,0	68,0	30,07		NW	1	Cloudy.
14	7 0	60,0	62,5	30,16		NW	1	Fine.
	2 0	70,5	68,5	30,19		NW	1	Fine.
15	7 0	60 5	66,5	30,00		WSW	1	Cloudy.
	2 0	72,0	69,5	29,92		NW	1	Fine.
16	7 0	66,0	69,5	29,99		NW	1	Fine.
	2 0	79,5	72,0	29,98		NW	1	Fine.

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	Time.	Therm without	Therm. within	Barom.	Rain.	Winds.		Weather.
	H. M.			inches.	Inch.	Points.	Str.	
July 17	7 0	68,5	73,0	29,88		SE	1	Fine.
	2 0	82,0	78,5	29,87		SE	1	Fine.
18	7 0	70,0	75,0	29,74	0,028	SW	1	Fine.
	2 0	72,0	76,5	29,83		SW	1	Fair.
19	7 0	62,0	71,0	30,00		WSW	1	Fair.
	2 0	68,5	69,0	30,06		SW	1	Fine.
20	7 0	58,5	67,0	30,13		WSW	1	Fine.
	2 0	72,5	69,5	30,09		WSW	1	Fine.
21	7 0	60,0	67,0	29,87	0,038	SW	1	Rainy.
	2 0	67,5	68,5	29,76		WSW	1	Cloudy.
22	7 0	61,0	67,0	29,59	0,926	SE	1	Rainy.
	2 0	66,0	68,5	29,66		S by W	1	Rainy.
23	7 0	59,5	66,0	29,99	0,310	NE	1	Cloudy.
	2 0	66,0	67,0	30,01		NE	1	Fair.
24	7 0	58,5	65,0	30,18		SW	1	Fair.
	2 0	79,0	69,5	30,17		SW	1	Fine.
25	7 0	65,0	69,5	30,16	0,024	NNE	1	Cloudy.
	2 0	80,0	72,0	30,19		NNE	1	Fine.
26	7 0	62,5	63,5	30,24		NW	1	Cloudy.
	2 0	78,0	75,0	30,23		SW	1	Fine.
27	7 0	64,0	70,5	30,14		NW	1	Fair.
	2 0	71,0	71,0	30,21		NW	1	Fine.
28	7 0	59,0	60,0	30,34		SSW	1	Fine.
	2 0	71,5	68,5	30,34		SW	1	Fine.
29	7 0	60,0	66,0	30,25		NE	1	Fine.
	2 0	71,0	68,0	30,19		E by S	1	Fine.
30	7 0	61,5	63,0	30,11		NE	1	Cloudy.
	2 0	75,0	70,0	30,11		ESE	1	Fine.
31	7 0	60,5	66,5	30,19		ENE	1	Cloudy.
	2 0	70,5	68,5	30,19		NE	1	Fine.

METEOROLOGICAL JOURNAL for Auguſt 1780.

	Time. H.	M.	Therm. without	Therm within.	Barom Inches.	Rain. Inch.	Winds. Points.	Str.	Weather.
Aug. 1	7	0	59,0	65,0	30,20		NE	1	Cloudy.
	2	0	78,0	74,0	30,19		NE	1	Fine.
2	7	0	62,0	68,0	30,11		SW	1	Fair.
	2	0	78,0	71,0	30,18		SW	1	Fine.
3	7	0	61,5	68,5	30,09		NE	1	Fine.
	2	0	83,0	73,5	30,13		NE	1	Fine.
4	7	0	68,0	69,0	30,10		ENE	1	Fine.
	2	0	78,0	73,0	30,14		NE	1	Fine.
5	7	0	60,5	66,5	30,11		NNE	1	Fair.
	2	0	76,5	74,0	30,11		NW	1	Fine.
6	7	0	60,0	67,0	30,07		NNE	1	Cloudy.
	2	0	78,5	73,0	30,07		N by W	1	Fine.
7	7	0	62,0	69,0	30,12		NE	1	Fair.
	2	0	80,0	74,0	30,16		NE	1	Fine.
8	7	0	59,5	67,0	30,09		NE	1	Fair.
	2	0	77,0	75,0	30,07		NE	1	Cloudy.
9	7	0	62,5	66,0	30,02		NE	1	Fair.
	2	0	82,0	75,0	30,04		NE	1	Fine.
10	7	0	64,5	71,0	30,02		NE	1	Fine.
	2	0	81,5	76,5	30,02		E by S	1	Fine.
11	7	0	66,5	73,0	30,02		ENE	1	Fine.
	2	0	79,0	76,0	29,98		ENE	1	Fine.
12	7	0	65,0	72,0	29,91		NE	1	Fine.
	2	0	79,0	73,0	29,89		S by E	1	Fine.
13	7	0	62 5	65,0	29,89		NE	1	Fine.
	2	0	76,5	75,0	29,93		NE	1	Fine.
14	7	0	60,0	62,5	29,93		NE	1	Fair.
	2	0	62,0	69,0	29,95		NE	1	Rainy.
15	7	0	61,5	66,5	29,88	0,104	NE	1	Fair.
	2	0	68,0	69,0	29,92		NE	1	Fair.
16	7	0	65,0	68,0	29,91		NE	1	Fair.
	2	0	75,0	72,0	30,03		NE	1	Cloudy.

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	Time. H.	M.	Therm. without	Therm. within.	Barom. Inches.	Rain.	Winds. Points.	Str.	Weather.
Aug. 17	7	0	65,5	67,5	30,02		SE	1	Fair.
	2	0	75,0	72,0	30,00		NE	1	Fair.
18	7	0	60,5	68,0	29,86	0,381	ENE	1	Rainy.
	2	0	71,0	71,0	29,85		ENE	1	Rainy.
19	7	0	64,0	66,5	29,92		NNE	1	Cloudy.
	2	0	74,0	72,5	29,99		NE	1	Fine.
20	7	0	63,5	66,0	30,12		ESE	1	Fine.
	2	0	74,5	71,5	30,13		SSE	1	Fine.
21	7	0	67,0	68,0	30,09		S by E	1	Fine.
	2	0	76,0	75,0	30,09		SE	1	Fine.
22	7	0	64,5	68,5	29,99		WSW	1	Fair.
	2	0	70,0	69,0	30,03		SW	1	Fine.
23	7	0	59,0	67,0	30,07		NW	1	Fair.
	2	0	72,0	70,0	30,14		SW	1	Fine.
24	7	0	58,5	63,0	30,18		ENE	1	Fair.
	2	0	74,0	72,5	30,19		NW	1	Fine.
25	7	0	59,5	62,0	30,13		NNE	1	Fine.
	2	0	75,0	73,0	30,15		NW	1	Fine.
26	7	0	60,5	64,0	30,16		NE	1	Fine.
	2	0	76,5	75,0	30,16		ENE	1	Fine.
27	7	0	61,0	63,0	30,15		E by N	1	Fine.
	2	0	73,5	69,5	30,08		E by N	1	Fine.
28	7	0	60,0	65,0	30,10		NE	1	Fair.
	2	0	68,5	68,0	30,11		NE	1	Fine.
29	7	0	61,0	65,5	30,19		NE	1	Fair.
	2	0	72,0	71,0	30,14		NE	1	Fine
30	7	0	61,0	67,0	30,10		NE	1	Cloudy.
	2	0	76,5	74,0	30,09		NE	1	Fine.
31	7	0	69,0	69,5	30,05		SSW	1	Fine.
	2	0	83,5	76,5	30,05		S by W	1	Fine.

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	Time.		Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches.	Inch.	Points	Str.	
Sept. 1	7	0	67,5	73,5	30,01		SSW	1	Fine.
	2	0	84,0	79,0	29,89		SW	1	Fine.
2	7	0	66,0	73,0	29,95		W by S	1	Fair.
	2	0	77,0	76,0	29,94		SW	1	Fine.
3	7	0	63,0	71,0	30,01		NE	1	Fine.
	2	0	70,0	71,0	30,05		SW	1	Fine.
4	7	0	56,0	63,5	30,01		NE	1	Fair.
	2	0	70,0	68,0	30,17		SW	1	Fair.
5	7	0	53,5	62,5	30,20		E by S	1	Fine.
	2	0	71,5	69,0	30,18		SE	1	Fine.
6	7	0	56,0	63,0	30,02		SE	1	Fine.
	2	0	71,5	69,0	29,95		SE	1	Fine.
7	7	0	57,5	62,0	29,75		ENE	1	Cloudy.
	2	0	76,0	69,0	29,73		SE	1	Cloudy.
8	7	0	65,0	68,0	29,59	0,250	SSW	1	Fair.
	2	0	72,0	70,5	29,61		SE	1	Fine.
9	7	0	58,0	67,5	29,74		S by W	1	Rainy.
	2	0	64,0	68,0	29,81		SW	1	Cloudy.
10	7	0	54,0	64,5	29,83	0 560	NNE	1	Cloudy.
	2	0	70,0	67,0	29,74		S by E	1	Rainy.
11	7	0	59 0	65,0	29,71	0,327	SSW	1	Rainy.
	2	0	67,0	67,0	29,82		SW	1	Cloudy and rain.
12	7	0	54 0	63,0	29,96	0,258	SW	1	Fine.
	2	0	67,5	66,5	29,99		NW	1	Fine.
13	7	0	61,0	62,0	30,03		S by W	1	Fine.
	2	0	69,0	65,5	29,99		SSW	1	Fair.
14	7	0	57,0	64,0	29,85	0,167	SE	1	Rainy.
	2	0	66,0	66,5	29,86		S by E	1	Cloudy.
15	7	0	57,0	63,5	29,92		S by E	1	Fine.
	2	0	62,0	73,5	29,98		SE	1	Fine.
16	7	0	62,5	65,0	29,76		SE	1	Showery.
	2	0	59,0	67,5	29,76		SE	1	Showery.

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	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.		Points.	Str.	
Sept. 17	7 0	60,5	65,0	29,49	0,225	SE	1	Rainy.
	2 0	68,0	67,0	29,49		SE	2	Fine.
18	7 0	58,0	63,5	29,49	0,572	SSW	1	Fair.
	2 0	68,0	67,0	29,58		SW	1	Fine.
19	7 0	53,0	60,0	29,64		SSE	1	Fine.
	2 0	65,0	65,0	29,68		SE	1	Fine.
20	7 0	52,5	60,5	29,67		SE	1	Fine.
	2 0	64,0	62,5	29,66		NW	1	Fine.
21	7 0	49,5	59,5	29,81		S by W	1	Fine.
	2 0	65,0	62,0	29,88		SW	1	Fine.
22	7 0	48,0	56,0	30,02		SSW	1	Fine.
	2 0	65,0	65,0	30,11		SW	1	Fine.
23	7 0	49,5	57,0	30,09		ENE	1	Fine.
	2 0	66,0	66,0	30,05		NE	1	Fine.
24	7 0	59,0	59,5	29,84		NW	1	Fair.
	2 0	66,5	65,0	29,99		NW	1	Showery.
25	7 0	54,0	58,0	30,04	0,113	SSW	1	Fine.
	2 0	66,5	67,0	30,04		WSW	1	Cloudy.
26	7 0	59,0	61,0	29,97		SW	1	Fair
	2 0	67,0	64,0	29,92		SW	1	Fair
27	7 0	51,0	59,0	29,90	0,079	WSW	1	Fine
	2 0	66,0	63,5	29,94		SW	1	Fair
28	7 0	56,0	60,0	29,75		SW	1	Cloudy.
	2 0	64,0	64,5	29,76		SW	1	Showery and cloudy.
29	7 0	53,5	61,5	29,54	0,320	SSE	1	Rain
	2 0	62,0	63,0	29,64		SE	1	Fair.
30	7 0	50,5	57,0	29,34	0,032	SSW	1	Rain
	2 0	52,0	57,0	29,14		SW	2	Rain

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	Time. H.	Time. M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Winds. Str.	Weather.
Oct. 1	7	0	45,0	52,5	29,19	0,076	SSW	1	Rainy.
	2	0	58,5	55,5	29,09		SSW	1	Rainy.
2	7	0	53,0	55,0	29,07	0,106	SW	1	Fair.
	2	0	57,0	56,5	29,44		SW	2	Fine.
3	7	0	52,5	54,0	29,57		WSW	1	Fine.
	2	0	58,5	55,5	29,64		NW	1	Fine.
4	7	0	42,0	51,5	29,79	0,050	NNE	1	Fair.
	2	0	54,0	59,5	29,87		NW	1	Fair.
5	7	0	41,5	50,5	30,16		NW	1	Fine.
	2	0	54,0	52,5	30,18		WSW	1	Fair.
6	7	0	45,5	49,0	30,04		S by E	1	Cloudy.
	2	0	57,0	53,5	29,90		S by W	1	Cloudy.
7	7	0	52,0	53,0	29,63		SSW	1	Fair.
	2	0	58,5	55,5	29,56		SW	1	Fine.
8	7	0	43,5	52,0	29,62		SSW	1	Fair.
	2	0	57,5	54,5	29,44		SE	1	Fine.
9	7	0	56,5	55,0	28,66	0,590	SSW	3	Rainy.
	2	0	57,0	56,5	28,82		SSW	3	Showery.
10	7	0	51,5	50,0	28,68		SW	1	Fair.
	2	0	58,0	55,0	28,99		SW	2	Cloudy.
11	7	0	45,5	53,5	29,52	0,020	SW	2	Fair.
	2	0	58,0	56,0	29,61		SW	2	Fair.
12	7	0	43,5	53,0	29,68	0,025	SW	1	Fair.
	2	0	55,0	54,0	29,81		W by N	1	Fine.
13	7	0	48,5	51,5	30,04		SSE	1	Cloudy.
	2	0	60,0	65,0	30,02		SE	2	Fair.
14	7	0	52,0	53,5	29,75		SE	1	Cloudy.
	2	0	65,0	59,0	29,61		SE	1	Fine.
15	7	0	58,5	59,0	29,69		SSE	1	Cloudy.
	2	0	66,0	62,0	29,69		SE	1	Cloudy.
16	7	0	53,5	56,5	29,72	0,530	SSW	1	Rainy.
	2	0	62,0	61,0	29,71		WSW	1	Cloudy.

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	Time.		Therm without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches.	Inch.	Points.	Str.	
Oct. 17	7	0	55,0	58,0	29,87		SSW	1	Fine.
	2	0	65,0	63,5	29,91		SSW	1	Fine.
18	7	0	49,5	55,0	30,02		NNE	1	Cloudy.
	2	0	62,0	60,0	30,07		NNE	1	Fine.
19	7	0	53,0	59,0	29,79		SW	2	Fine.
	2	0	56,0	59,0	29,58		SW	2	Rainy.
20	7	0	46,5	56,0	29,48	0,071	WSW	1	Fine.
	2	0	52,0	56,0	29,44		SW	1	Cloudy.
21	7	0	47,0	50,5	29,48		NW	2	Fine.
	2	0	55,0	53,0	29,63		WNW	1	Fine.
22	7	0	46,0	50,5	29,73		SW	1	Cloudy.
	2	0	54,5	52,5	29,67		SW	1	Cloudy and rainy.
23	7	0	41,5	49,0	29,86	0,068	SW	1	Fine.
	2	0	53,0	52,0	29,88		SW	2	Cloudy.
24	7	0	50,0	51,5	29,66		SE	1	Cloudy.
	2	0	59,0	61,0	29,70		SE	1	Fair.
25	7	0	43,5	51,0	29,73		NE	1	Fine.
	2	0	51,5	52,0	29,77		NW	1	Fine.
26	7	0	37,0	48,0	30,07		SSW	1	Fine.
	2	0	52,0	50,0	30,14		NNE	1	Fine.
27	7	0	45,0	46,0	30,27		NE	1	Cloudy.
	2	0	50,0	48,0	30,29		NE	1	Fair.
28	7	0	47,0	48,0	30,14		NNE	1	Cloudy.
	2	0	55,0	51,5	30,07		NE	1	Cloudy.
29	7	0	47,5	51,0	29,85		NW	1	Rainy.
	2	0	49,5	51,5	29,82		NW	1	Rainy.
30	7	0	49,5	51,5	29,71	0,435	NNW	1	Rainy.
	2	0	50,0	52,0	29,82		NNW	1	Rainy.
31	7	0	49,5	52,0	29,88	0,375	SW	1	Rainy.
	2	0	50,5	52,5	29,89		NE	1	Rainy.

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	Time.		Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches.	Inch.	Points.	Str.	
Nov. 1	8	0	47,5	49,5	29,94	0,118	NNE	1	Cloudy.
	2	0	50,0	51,0	30,02		NE	2	Rainy.
2	8	0	46,0	48,5	30,08		NNE	1	Cloudy.
	2	0	50,0	51,0	30,08		NE	1	Fine.
3	8	0	46,0	48,5	29,97		NE	1	Cloudy.
	2	0	50,0	53 0	29,94		NE	1	Fair.
4	8	0	40,0	46,0	29 97		NW	1	Fine.
	2	0	46,0	47,0	30,08		NW	2	Fine.
5	8	0	47,0	47,0	29,83	0,039	SW	1	Fine.
	2	0	51,5	49,0	29,72		NW	2	Fine.
6	8	0	40,0	45,0	29 86		NW	2	Fine.
	2	0	44,0	45,0	29,87		NW	2	Fine.
7	8	0	35,0	37,5	29 72	0,039	NNE	2	Fine.
	2	0	36,0	38,0	29,82		NE	3	Snowy.
8	8	0	36,0	37,5	29,91	0,081	NNE	2	Fine.
	2	0	42,0	40,0	29 94		NE	1	Fine.
9	8	0	33,0	37,5	30.09		SW	1	Cloudy.
	2	0	41,0	40,0	30,05		SSW	1	Cloudy.
10	8	0	48,5	44,0	30,07	0,075	NE	1	Cloudy.
	2	0	52,0	47,0	30,11		NE	1	Fair.
11	8	0	46,5	45 0	30,11		NE	1	Cloudy.
	2	0	52,0	48,0	30 17		NNE	1	Cloudy.
12	8	0	47,0	49,0	30,09		WSW	1	Fine.
	2	0	51,0	49,5	30.12		WSW	1	Cloudy.
13	8	0	51,5	50,0	29,73		SW	3	Cloudy.
	2	0	52,0	51,0	29,64		SW	3	Cloudy.
14	8	0	39,5	47,0	29,82		WSW	1	Fair.
	2	0	47,0	47 5	29,84		WSW	1	Fine.
15	8	0	30,0	41,0	29,97	0,095	NW	1	Fine.
	2	0	36 0	41 0	30,02		NW	1	Fine.
16	8	0	26,0	36,0	29,93		SE	1	Foggy.
	2	0	28,5	38,0	30 16		SE	1	Foggy.

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	Time. H.	M.	Therm. without	Therm within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Str.	Weather.
Nov. 17	8	0	36,5	38,5	29,73		SE	1	Foggy.
	2	0	40,0	41,0	29,63		SE	1	Rainy.
18	8	0	41,0	40,0	29,60	0,030	SE	1	Cloudy.
	2	0	45,0	42,0	29,53		SSE	1	Fair.
19	8	0	41,0	42,5	29,27	0,039	NW	1	Fair.
	2	0	43,5	44,0	29,32		NW	1	Fine.
20	8	0	43,0	43,5	28,94	0,616	W by S	1	Cloudy.
	2	0	46,0	49,0	29,02		SW	1	Fair.
21	8	0	36,5	41,5	29,14	1,074	NW	1	Fair.
	2	0	41,5	43,0	29,31		NW	1	Cloudy.
22	8	0	36,0	41,0	29,14	0,025	SW	1	Cloudy.
	2	0	37,0	40,5	29,08		WNW	1	Fine.
23	8	0	32,0	37,0	29,39		NW	1	Fine.
	2	0	37,0	38,0	29,42		NW	1	Fair.
24	8	0	31,0	39,0	29,64		SW	1	Foggy.
	2	0	36,0	38,0	29,50		SW	1	Rainy.
25	8	0	36,0	39,0	29,89	0,236	NW	1	Cloudy.
	2	0	38,0	40,5	29,98		WSW	1	Cloudy.
26	8	0	42,0	39,5	30,10		WSW	1	Cloudy.
	2	0	48,0	42,0	30,14		NW	1	Cloudy.
27	8	0	44,0	45,0	30,27	0,038	NW	1	Cloudy.
	2	0	47,0	45,0	30,28		NNW	1	Cloudy.
28	8	0	42,0	44,5	30,46		ENE	1	Cloudy.
	2	0	45,5	46,0	30,47		NE	1	Fine.
29	8	0	37,0	42,0	30,45		NNE	1	Fine.
	2	0	40,0	43,0	30,40		NNE	1	Fine.
30	8	0	37,5	42,5	30,32		NNE	1	Fine.
	2	0	40,5	42,0	30,32		NNE	1	Fine.

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	Time.	Therm. without	Therm. within.	Barom	Rain.	Winds.		Weather.
	H. M.			Inches	Inch.	Points.	Str.	
Dec. 1	8 0	38,5	40,5	30,13		NE	1	Fair.
	2 0	43,5	41,5	30,31		NE	1	Fair.
2	8 0	42,0	42,5	30,34		NE	1	Cloudy.
	2 0	44,0	46,0	30,36		NE	1	Cloudy.
3	8 0	38,0	40,0	30,47		NE	2	Cloudy.
	2 0	41,5	43,0	30,49		NE	2	Cloudy.
4	8 0	40,5	41,5	30,51		NE	1	Fine.
	2 0	45,0	44,0	30,49		NE	1	Cloudy.
5	8 0	39,5	42,0	30,45		NE	2	Cloudy.
	2 0	43,5	44,0	30,40		NE	1	Cloudy.
6	8 0	38,0	41,5	30,35		NE	1	Cloudy.
	2 0	39,0	42,5	30,33		NE	1	Cloudy.
7	8 0	33,0	39,5	30,29		NE	1	Cloudy.
	2 0	33,5	36,0	30,28		NE	1	Cloudy.
8	8 0	36,0	39,0	30,29		NE	1	Fine.
	2 0	40,0	40,0	30,31		NE	1	Fair.
9	8 0	45,0	48,0	30,53		NE	1	Fair.
	2 0	40,0	40,0	30,53		NE	1	Fair.
10	8 0	33,5	37,0	30,45		WSW	1	Fair.
	2 0	38,0	36,0	30,44		SW	1	Cloudy.
11	8 0	38,5	40,0	30,36		NW	1	Fine.
	2 0	45,0	42,0	30,34		NW	1	Fair.
12	8 0	41,0	41,5	30,45		SW	1	Foggy.
	2 0	45,5	43,0	30,41		S by E	1	Foggy.
13	8 0	40,5	43,5	30,44		NW	1	Foggy.
	2 0	44,0	44,0	30,39		WNW	1	Cloudy.
14	8 0	40,0	42,0	30,36		SW	1	Foggy.
	2 0	45,0	45,0	30,46		SW	1	Fair.
15	8 0	41,0	44,0	30,44		NW	1	Fine.
	2 0	45,0	45,0	30,46		NW	1	Fair.
16	8 0	40,0	44,5	30,55		NNE	1	Foggy.
	2 0	43,5	45,0	30,55		SE	1	Cloudy.

METE-

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	Time.		Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches.	Inch.	Points	Str.	
Dec. 17	8	0	40,0	44,0	30,51		SW	1	Foggy.
	2	0	43,5	44,0	30,48		NW	1	Fine.
18	8	0	34,5	41,0	30,46		NE	1	Foggy.
	2	0	40,0	41,5	30,46		ENE	1	Fine.
19	8	0	30,5	38,0	30,49		ENE	1	Fine.
	2	0	34,5	36,0	30,40		NE	1	Fine.
20	8	0	30,0	34,5	30,08		NE	1	Foggy.
	2	0	32,0	39,0	29,99		NE	1	Foggy.
21	8	0	28,0	33,0	29,69		S by E	1	Foggy.
	2	0	29,0	34,5	29,69		S by E	1	Foggy.
22	8	0	33,0	34,0	29,85		WSW	1	Foggy.
	2	0	36,5	35,0	29,89		NW	1	Fine.
23	8	0	24,0	32,0	30,05		SSW	1	Foggy.
	2	0	32,5	34,0	30,06		NW	1	Fine.
24	8	0	34,0	34,5	30,15		NNE	1	Foggy.
	2	0	37,0	35,5	30,15		N by E	1	Fair.
25	8	0	37,0	37,5	30,21		NNE	1	Fair.
	2	0	38,5	37,5	30,23		NNE	1	Fair.
26	8	0	32,5	34,5	30,26		ENE	1	Fair.
	2	0	36,0	36,5	30,26		N by E	1	Fair.
27	8	0	29,5	32,5	30,26		NE	1	Frosty.
	2	0	32,0	34,5	30,29		NE	1	Frosty.
28	8	0	32,5	33,5	30,35	0,100	SSW	1	Foggy.
	2	0	37,0	36,5	30,34		SW	1	Cloudy.
29	8	0	40,5	37,0	30,13	0,210	SW	1	Cloudy.
	2	0	45,0	39,0	30,03		WSW	1	Fair.
30	8	0	45,0	41,0	30,01		WSW	1	Cloudy.
	2	0	50,0	44,0	30,07		SW	1	Cloudy.
31	8	0	43,5	44,0	30,06		SSW	1	Cloudy.
	2	0	50,0	46,5	30,07		WSW	1	Fair.

1780	Thermometer without.			Thermometer within.			Barometer.			Rain.
	Greateſt Height.	Leaſt Height.	Mean Height.	Greateſt Height.	Leaſt Height.	Mean Height.	Greateſt Height.	Leaſt Height.	Mean Height.	Inches.
Jan.	47,0	20,0	31,9	40,5	24,5	33,6	30,35	28 59	29,77	0,692
Feb.	53,5	20,0	37,8	49,0	31,0	38,4	30,52	29,08	29,91	0,858
Mar.	59,0	34,5	51,4	56,5	36,0	49,9	30,45	29,38	29,91	1,189
Apr.	65,5	33,0	46,7	65,0	38,0	48,0	30,17	28,81	29,65	2,739
May	84,5	45,0	59,7	74,5	51,0	60,4	30,28	29,38	29,94	0,822
June	84,5	48.0	62,9	76,0	50,0	63,2	30,37	29,79	30,01	0,852
July	82,0	54,0	66,4	78,5	61,0	69,4	30,34	29,59	30,05	1,602
Aug.	83,5	58,5	69,2	76,5	62,0	68,3	30,20	29,85	30,05	0,485
Sept	84,0	48,0	61,3	79,0	56,0	65,2	30,20	29,14	29,83	2,903
Oct.	66,0	41,5	52,3	65,0	46,0	53,9	30,29	28,66	29,69	2,356
Nov.	52,0	26,0	42,0	53,0	36,0	43,6	30,47	28,94	29,85	2,505
Dec.	50,0	24,0	38,5	46,5	32,0	39,8	30,55	29,69	30,29	0,310
Whole year			51,7			52,8			29,91	17,313

VARIA-

VARIATION NEEDLE.

	7 h. A. M.	12 h. M.	2 h. P.M.	10 or 11h. P.M.	Daily Means.
	° ′	° ′	° ′	° ′	° ′
June 5	22 25	22 26	22 21	22 23	22 24
6	22 21	22 29	22 57	22 44	22 38
7	22 30	22 49	22 48	22 29	22 39
8	22 45	22 44	22 45	22 46	22 45
9	22 31	22 42	22 48	22 40	22 40
10	22 25	22 48	22 57	22 40	22 42
11	22 45	22 49	22 48	22 44	22 46
12	22 37	22 49	22 46	22 41	22 43
13	22 31	22 53	22 45	22 35	22 41
14	22 29	22 55	22 50	22 50	22 46
15	22 25	22 40	22 49	22 47	22 40
16	22 45	22 48	22 47	22 49	22 47
17	22 27	22 32	22 55	22 55	22 42
18	22 39	22 37	22 41	22 48	22 41
Means	22 32	22 43	22 47	22 42	

Mean of all 22° 41′.

DIPPING NEEDLE.

	7 h. A.M.	12 h. M.	2 h P.M.	10 or 11h P.M.	Means.	
	° ′	° ′	° ′	° ′	° ′	
June 5	72 0	72 5	72 0	72 0		
6	72 5	72 5	72 10	72 10	72 3	West mark down.
7	72 0	72 0	72 10	72 0		
8	72 0	72 0	72 5	72 10		
9	72 20	72 20	72 20	72 20		
10	72 20	72 20	72 30	72 10	72 21	East.
11	72 20	72 30	72 25	72 10		
12	72 30	72 30	72 30	72 0		
13	72 5	72 15	72 10	72 10		
14	72 10	72 15	72 20	72 10	72 13	East mark uppermost.
15	72 20	72 15	72 20	72 20		
16	72 45	72 40	72 40	72 20		
17	72 40	72 30	72 25	72 30	72 32	West.
18	72 40	72 20	72 30	72 20		

THE END OF PART I. OF VOL. LXXI.